

**STATEMENT OF WORK  
WETLAND RESTORATION (657)  
TENNESSEE**

**These deliverables apply to this individual practice. For other planned practice deliverables refer to those specific Statements of Work.**

**DESIGN**

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**Deliverables**

1. Design documentation that will demonstrate that the criteria in NRCS practice standard have been met and are compatible with other planned and applied practices.
  - a. Practice purpose(s) as identified in the conservation plan.
  - b. Compliance with NRCS national and state utility safety policy (NEM Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities 503.00 through 503.06). Tennessee One Call notification at number 811 is client's responsibility.
  - c. List of applicable facilitating/component practices Dike (356), Structure for Water Control (587), Critical Area Planting (342), Tree and Shrub Establishment (612), etc.
  - d. Practice standard criteria related computations and analyses to develop plans and specifications including, but not limited to:
    - i. Geology and soil mechanics (NEM Subpart 531a, NEH Part 651, AWMFH, Appendix 10d).
    - ii. Hydrology/hydraulics and appurtenance design.
    - iii. Water quantity and quality.
    - iv. Structural.
    - v. Safety considerations (NEM Part 503-Safety, Subpart A, 503.10 through 503.12).
  - f. Environmental considerations, including a resource inventory and environmental evaluation supported by a completed TN-CPA-25, Environmental Effects for Conservation and Areawide Planning.
2. Written plans and specifications, including sketches and drawings, shall be provided to the client that adequately describes the requirements to install the practice and obtain necessary permits, including:
  - a. Location and vicinity map.
  - b. Sketches and drawings.
  - c. Plan view with contours, if applicable.
  - d. Profiles, if applicable.
  - e. Cross-sections, if applicable.
  - f. Construction specifications.
  - g. Vegetation specifications.
  - h. Quantity and cost estimates.
  - i. Appropriate signatures.
3. Design Report and Inspection Plan as appropriate (NEM Part 511, Subpart B Documentation, 511.11 and Part 512, Subpart D Quality Assurance Activities, 512.30 through 512.32).
4. Documentation of discussion of 'Operation and Maintenance' requirements in assistance notes.
5. Certification that the design meets practice standard criteria and complies with applicable laws and regulations [NEM, Subpart A, 505.03 (a) (3)].
6. Design modifications during installation, as required.

**INSTALLATION**

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**Deliverables**

1. Documentation of pre-installation conference with client and contractor.
2. Documentation of staking and layout according to plans and specifications, including applicable layout notes.
3. Installation inspection (according to inspection plan, as appropriate).
  - a. Actual materials used (Part 512, Subchapter D, Quality Assurance Activities, 512.33).
  - b. Inspection records.
4. Facilitate and implement required design modifications with client and original designer.
5. Advise client/NRCS on compliance issues with all federal, state, tribal, and local laws, regulations, and NRCS policies during installation.
6. Certification that the installation method and materials meet design requirements.

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**CHECK OUT**

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**Deliverables**

1. As-built documentation.
  - a. Extent of practice units applied.
  - b. Drawings.
  - c. Final quantities.
2. Certification that the installation meets NRCS standards and specifications and is in compliance with permits (NEM Subpart A, 505.03 (c) (1)).
3. Progress reporting in the NRCS PRS System.

**REFERENCES**

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- NRCS Tennessee Field Office Technical Guide (e-FOTG), Section IV, Conservation Practice Standards – Wetland Restoration (657), Dike (356), Tree and Shrub Establishment (612), Structure for Water Control (587), as applicable.
- NRCS National Engineering Manual (NEM).
- NRCS National Engineering Handbook, Chapter 6 (Structures).
- NRCS National Engineering Handbook, Chapter 13 (Wetland Restoration, Enhancement and Creation).
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook
- Tennessee Environmental Permitting Handbook ([www.state.tn.us/environment/permits/index.html](http://www.state.tn.us/environment/permits/index.html))